AMENDMENTS TO THE SPECIFICATION:

Please amend the abstract of the specification as shown below and in the attached replacement abstract.

ABSTRACT

A computer-implemented method is designed for on-demand printing on digital printers of a coding pattern to code data on a surface. The coding pattern comprises a plurality of parallel number sequences which represent different rotations of a cyclic number sequence. The method could involve retrieving a digital representation of the coding pattern, and identifying the rotations therein to derive shift information which designates a phase difference between each rotation and the cyclic number sequence. In the printing operation, all the different rotations may be represented by the cyclic number sequence embodied as at least one code block image. This code block image is repeated in accordance with the shift information to form a printable image in the printer.

~~Elected for publication: Fig. 6~~